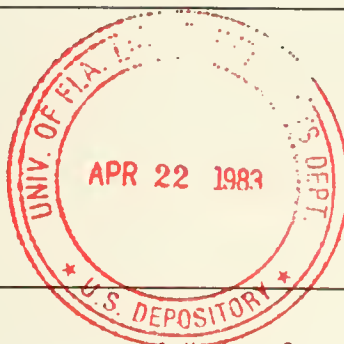


## CURRENT INDUSTRIAL REPORTS



U.S. Department of Commerce  
BUREAU OF THE CENSUS  
BUREAU OF INDUSTRIAL ECONOMICS



# Copper Controlled Materials

## FOURTH QUARTER 1982

ITA-9008(82)-4  
Issued April 1983

The statistics in this publication are based on a survey of all known producers of brass mill products, copper-based powder products, and a 95-percent sample of producers of wire mill products. The figures represent total U.S. shipments of copper-base mill and foundry products.

Total shipments of copper-base mill and foundry products amounted to 1,056 million pounds in the fourth quarter, down

10 percent from the third quarter level of 1,171 million pounds. Copper wire mill shipments, at 530 million pounds, were down 8 percent from the third quarter. Within this group, bare wire decreased 13 percent; insulated communication wire decreased 22 percent; and other insulated wire decreased 1 percent.

A description of the survey methodology and related information appears in the first quarter publication issued in July 1982.

Table 1. SUMMARY OF SHIPMENTS OF COPPER-BASE MILL AND FOUNDRY PRODUCTS

(Millions of pounds - metal weight)

Quarter and year	Total	Brass mill products		Copper wire mill products <sup>1</sup>			Brass and bronze foundry products <sup>3</sup>	Copper-base powder mill product
		Alloyed	Unalloyed	Bare wire <sup>2</sup>	Insulated communication wire	Other insulated wire		
1982								
1982, total.....	4,846	1,247	767	267	594	1,532	405	34
Fourth quarter.....	1,056	251	174	53	118	359	94	7
Third quarter.....	1,171	305	192	61	151	363	90	9
Second quarter.....	1,297	345	203	77	157	400	107	8
First quarter.....	1,322	346	198	76	168	410	114	10
1981								
1981, total.....	5,987	1,695	927	328	755	1,764	471	47
Fourth quarter.....	1,323	350	194	77	179	403	109	11
Third quarter.....	1,481	437	215	81	188	433	116	11
Second quarter.....	1,592	462	254	88	192	458	125	13
First quarter.....	1,591	446	264	82	196	470	121	12
1980, total.....	5,786	1,508	959	293	797	1,693	489	47
1979, total.....	6,707	1,869	1,107	236	846	1,966	617	66
1978, total.....	6,266	1,750	962	238	806	1,867	580	63

Note: Detail may not add to totals due to independent rounding.

<sup>1</sup>Represents copper content weight, rather than metal weight.

<sup>2</sup>Represents uninsulated, bare tinned, and/or alloy coated wire.

<sup>3</sup>Source: Bureau of the Census Current Industrial Reports Series M33E, Nonferrous Castings.

Address inquiries concerning these figures to the U.S. Department of Commerce, Bureau of Industrial Economics, Washington, D.C. 20230, or to the Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Jim Oliver, (301) 763-5440.

For sale by Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, \$1.25 per copy, \$6.25 per year.

Table 2. SHIPMENTS OF COPPER-BASE MILL AND FOUNDRY PRODUCTS

(Millions of pounds - metal weight)

Product	1982		1981 fourth quarter
	Fourth quarter	Third quarter	
Total shipments.....	1,056	1,171	1,323
Copper-base mill products.....	425	497	544
Copper-base alloy:			
Sheet and strip <sup>1</sup> .....	102	148	174
Rod, bar, and wire <sup>2</sup> .....	128	134	147
Tube and pipe.....	21	23	29
Unalloyed copper:			
Sheet and strip.....	21	34	46
Rod, bar, and wire <sup>2</sup> .....	23	22	26
Tube and pipe.....	130	136	122
Copper wire mill products <sup>3</sup> .....	530	575	659
Bare wire <sup>4</sup> .....	53	61	77
Insulated communication wire.....	118	151	179
Other insulated wire.....	359	363	403
Brass and bronze foundry products <sup>5</sup> .....	94	90	109
Copper-base powder mill products.....	7	9	11
Copper-base alloy:			
Granular.....	1	1	2
Flake.....	(Z)	(Z)	(Z)
Unalloyed copper:			
Granular.....	5	7	8
Flake.....	1	1	1

Note: Detail may not add to totals due to independent rounding. Monthly shipments data for brass mills and copper wire mills of primary companies are available in Current Industrial Reports Series M33K, Inventories of Brass and Copper Wire Mill Shapes.

(Z) Less than 500,000 pounds.

<sup>1</sup>Military ammunition cups and discs are included on net-weight basis, i.e., excluding the weight of the webbing scrap generated in the cupping and discing.

<sup>2</sup>Does not include electrical wire.

<sup>3</sup>Represents copper content weight rather than metal weight.

<sup>4</sup>Represents uninsulated, bare, tinned, and/or alloy coated wire.

<sup>5</sup>Source: Bureau of the Census, Current Industrial Reports Series, M33E, Nonferrous Castings.

Table 3. COPPER-BASE MILL PRODUCTS, SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION

(Quantity in millions of pounds; value in thousands of dollars)

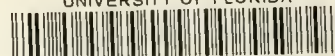
Product <sup>1</sup>	Manufac- turers' shipments	Exports of domestic merchandise <sup>1 2</sup>		Estimated producers' value <sup>3</sup>	Percent exports to manufac- turers' shipments (quantity)	Imports for consumption <sup>1 4</sup>		Apparent consump- tion <sup>5</sup> (quantity)	Percent imports to apparent consump- tion (quantity)
		Quantity	Value at port			Quantity	Value <sup>5</sup>		
FOURTH QUARTER 1982									
Copper-base mill products <sup>7</sup> .....	485	35	65,738	63,969	7	65	71,190	515	13
Brass mill products:									
Copper-base alloy:									
Sheet and strip.....	102	1	7,284	7,088	1	26	26,052	253	10
Rod, bar, and wire.....	128	2	17,696	17,220	2				
Tube and pipe.....	21	2	4,725	4,598	10	11	15,556	30	37
Unalloyed copper:									
Sheet and strip.....	21	22	15,418	15,003	105	12	12,242	31	39
Rod, bar, and wire.....	23	3	5,691	5,538	14				
Tube and pipe.....	130	1	2,363	2,299	1	7	8,391	136	5
Copper wire mill products, bare wire.....	53	4	11,818	11,500	8	8	7,705	57	14
Copper-base powder mill products:									
Copper-base alloy:									
Granular.....	1	(Z)	743	723	(Z)	1	1,244	8	11
Flake.....	(Z)								
Unalloyed copper:									
Granular.....	5								
Flake.....	1								
THIRD QUARTER 1982									
Copper-base mill products <sup>7</sup> .....	567	20	42,321	41,207	4	63	69,054	610	10
Brass mill products:									
Copper-base alloy:									
Sheet and strip.....	148	1	8,814	8,577	1	30	29,144	309	10
Rod, bar, and wire.....	134	2	4,825	4,695	1				
Tube and pipe.....	23	2	5,175	5,036	9	11	15,777	32	34
Unalloyed copper:									
Sheet and strip.....	34	3	2,274	2,213	9	3	3,059	50	6
Rod, bar, and wire.....	22	6	6,321	6,151	27				
Tube and pipe.....	136	2	4,082	3,972	1	9	10,970	143	6
Copper wire mill products, bare wire.....	61	4	9,923	9,656	7	9	9,005	66	14
Copper-base powder mill products:									
Copper-base alloy:									
Granular.....	1	(Z)	907	907	(Z)	1	1,099	10	10
Flake.....	(Z)								
Unalloyed copper:									
Granular.....	7								
Flake.....	1								

<sup>7</sup>Revised. (Z) Less than half the stated unit of measure.<sup>1A</sup>A comparison of domestic manufacturers' shipments, exports, and import codes for copper-base mill products is shown in the first quarter publication, ITA-9008(82)-1, issued July 1982.<sup>2</sup>Source: Bureau of the Census report EM 546, U.S. Exports--Schedule B--Commodity by Country.<sup>3</sup>These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the port of export. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors (0.9731 for industry group 335 relating to brass mill and copper wire mill products and 1.000 for industry group 339 relating to copper-base powder mill products) are based on data for 1980 which are published in *Origin of Exports of Manufactured Products*, M80(AS)-6, appendix B.<sup>4</sup>Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.<sup>5</sup>Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.<sup>6</sup>Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.<sup>7</sup>This total does not include either insulated wire and cable products or brass bronze foundry products.

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